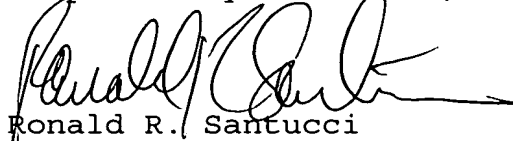𝒶⁴ that the tolerance limit value is 2 mm.

REMARKS

The claims of the above-identified application (as amended under Article 34) have been amended to remove all multiple dependencies. No new matter has been added. Accordingly, an early examination of the application is respectfully requested.

Respectfully submitted,

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APPENDIX:

3. (Amended) Method according to claim 1 [or claim 2],
characterised in that the accuracy of the calculation of the
radiation dose data is verified, for a homogeneous medium to be
irradiated, by using a water phantom.

4. (Amended) Method according to [one of the preceding claims]
claim 1, characterised in that the accuracy of the calculation
of the radiation dose data is verified, for a non-homogeneous
medium to be irradiated, by using a solid-body phantom having
non-homogeneities.

6. (Amended) Method according to claim 4 [or 5], characterised
in that different non-homogeneities are interchangeably inserted
in the solid-body phantom.

7. (Amended) Method according to [one of claims 4-6] claim 4,
characterised in that the steps a)-d) are carried out for at
least three different non-homogeneity structures of the solid-
body phantom, the first solid-body phantom having boundary
layers between different materials, the second solid-body
phantom having thin non-homogeneities and the third solid-body
phantom having thick non-homogeneities.

8. (Amended) Method according to [one of the preceding claims]
claim 1, characterised in that the accuracy of the calculation
of the radiation dose data is verified by using an irregularly
shaped phantom.

10. (Amended) Method according to [one of the preceding claims]

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claim 1, characterised in that

a digital reconstruction of the phantom is calculated;

an image of the phantom is produced and compared with the calculated reconstructions to ascertain a discrepancy; and

it is concluded that there is an error in the calculation of the digital reconstructions if the discrepancy between the calculated reconstructions and the corresponding image exceeds a specific tolerance limit value.

12. (Amended) Method according to claim 10 [or 11], characterised in that the tolerance limit value is 2 mm.

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